

FINANCIAL REPORT

WATER

1932.

February 28, 1933

To the Director of Public Affairs,

Newark, New Jersey.

Dear Sir:

I submit herewith schedules supporting the Income Account and Balance Sheet presented to you on February 1, 1933, and offer the following explanation of the various schedules:

FIXED CAPITAL, \$45,497,647.12.

This schedule shows the additions to the plant and equipment during the year, the principal additions being amounts expended in:

Property bought in watershed	\$ 11,814.54
High Pressure System	31,628.54
General Distribution Mains	252,396.08
Fire Hydrants	8,868.71
	\$304,707.87

DEPRECIATION SCHEDULE, \$5,478,575.48.

This schedule shows in detail the depreciation accrued during the year on plant, \$335,686.32, based on unit rates set up by the Chief Accountant. There is also shown the amount of depreciation on each individual group at the beginning of the year. The total reserve at December 31, 1932 on plant and equipment is \$5,478,575.48 and the net depreciated cost of plant is \$40,019,071.64.

CASH, \$309,321.51.

This amount is in the hands of the City Treasurer in the General City Funds, with the exception of trust funds contained therein in amount of \$5,832.15.

FINANCIAL REPORT
OF THE
DIVISION OF ACCOUNTS
(WATER)

February 28, 1933

To the Director of Public Affairs,
Newark, New Jersey.

Dear Sir:

Attention Mr. Jas. W. Costello, Chief Engr.

I submit herewith the Financial Report of the
Division of Accounts - Water, for the year ending December
31st, 1932, contained in the following statements:

Income Account for the year ending December
31st, 1932.

Balance Sheet as at December 31st, 1932.

Respectfully,

Chief Accountant.

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

STATEMENT OF EARNINGS AND EXPENDITURES

For the year ending December 31, 1932.

Net Sales of Water		1,968,551.65	
North Jersey Dist. Water Supply Comm.		113,124.32	2,081,675.97
Miscellaneous Operating Revenue			1,500.74
Total Operating Revenue			2,083,176.71
<u>DEDUCT</u>			
Water Collecting Expenses		284,449.93	
Purification System Expenses		19,938.58	
Distribution System Expenses		397,137.28	
Commercial & New Business Expenses		175,773.38	
General & Miscellaneous Expenses	345,555.00		
Amortization - Paid into Sinking Fund (\$335,686.32)	335,686.32	681,241.32	
			1,558,540.49
			524,636.22
<u>ADD</u>			
Miscellaneous Rents, Interest and Non-Operating Revenue			6,176.83
Gross Corporate Income			530,813.05
<u>DEDUCT</u>			
Interest on Funded Debt			993,036.43
			462,223.38
<u>DEDUCT</u>			
Regular Sinking Fund Payments	55,431.70		
Serial Bond Payments	469,000.00	524,431.70	
Less Amount Provided by Amortization under General & Miscellaneous Expenses		335,686.32	
			188,745.38
To CORPORATE DEFICIT year ending December 31, 1932			\$650,968.76

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

BALANCE SHEET

December 31, 1932

PUBLIC UTILITY FORM

ASSETS.

		Balance at Close of Year	Net Change During Year
Fixed Capital, December 31, 1932		45,497,647.12	248,276.23
Materials and Supplies		226,160.95	26,668.23
<u>CASH</u>			
General Funds	325,063.88		
Trust Funds	5,832.15		
Watershed Extension Funds	273.19		
		331,169.22	43,107.49
Consumers' Accounts Receivable		702,091.50	74,587.08
Prepayments (Fire Insurance)		2,934.28	1,467.39
Sinking Funds		2,797,712.22	90,970.80
Other Suspense		525.00	525.00
		<u>\$49,558,240.29</u>	<u>\$432,265.76</u>

LIABILITIES.

Funded Debt	22,349,000.00	544,000.00
Consumers' Deposits	5,832.15	122.03
Other Accounts Payable	19,636.10	15,082.30
Unearned Revenue (1933 Period)	3,280.22	322.02
Interest Accrued	238,336.67	5,536.07
Other Accrued Liabilities	30,281.11	6,908.55
Other Unfunded Debts	1,000,000.00	1,000,000.00
Amortization (or Retirement) Reserve	5,478,575.48	354,286.04
Miscellaneous Reserves	2,826,760.40	92,361.71
Corporate Surplus	17,606,538.16	442,655.08
	<u>\$49,558,240.29</u>	<u>\$432,265.76</u>

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment Depreciation Schedule

December 31, 1932

Title of account	Accrued to Jan. 1, 1932	Accrued dur- ing 1932	Total ac- crued to Dec. 31, 1932
112 RESERVATION STRUCTURES			
Macopin Village	23,841.12	1,597.07	25,438.19
Garage, Watershed	114.34	19.86	134.20
104 WATER DIVERSION RIGHTS			
113 IMPOUNDING RESERVOIRS			
Cost of Watershed, except Pipe Line	250,000.00	25,000.00	275,000.00
115 SPRINGS & WELLS			
Driven Wells, Belleville	22,274.21		22,274.21
Caisson Wells, Belleville	2,452.80		2,452.80
Drilled Wells, Belleville	36,164.18		36,164.18
118 INTAKES & SUPPLY MAINS			
Cost of Watershed Pipe Line (M.R. Sherrerd's Estimate)	500,000.00	50,000.00	550,000.00
Butler Connections	951.71	79.31	1,031.02
48" Pipe Line, Gate House, Pequannock	132,754.71		132,754.71
124 CHEMICAL TREATMENT PLANT			
Chlorine Feeding Apparatus	6,461.51	935.19	7,396.70
127 PUMPING STATION STRUCTURES			
Belleville Chimney	10,056.25		10,056.25
Belleville Riverwall & Dock	265,015.42	548.29	265,563.71
135 STORAGE RESERVOIRS, TANKS & STANDPIPES			
Belleville Keeper's House	3,345.63	106.78	3,452.41
Belleville Receiving Reservoir	99,801.73	4,512.18	104,313.91
Belleville Fence	600.04	255.01	855.05
Belleville Reservoir Appurtenances	1,869.95	1,054.90	2,924.85
So. Orange Ave. H. P. Reservoir	67,283.53	2,867.83	70,151.36
Keeper's House - So. 9th St.	1,373.28	66.38	1,439.66
Cedar Grove Reservoir Fence	11,057.52	1,382.19	12,439.71
Keeper's House & Laboratory & Road	2,382.63	58.49	2,441.12
Cedar Grove Water System	692.79		692.79
Cedar Grove Garage	167.62	24.80	192.42

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment Depreciation Schedule

December 31, 1932

Title of Account	Accrued to Jan. 1, 1932	Accrued dur- ing 1932	Total ac- crued to Dec. 31, 1932
136 DISTRIBUTION MAINS & ACCESSORIES			
High Pressure System	135,632.06	10,444.44	146,076.52
L. P. Distribution Mains General	2,710,767.55	166,872.21	2,864,012.22
		13,627.54	
Pitometer Boxes	33,185.04	8,209.03	41,394.07
60" Steel Pipe Line	371,088.73	16,454.71	387,543.44
36" Cast Iron Pipe Line	47,700.00	2,150.00	49,850.00
60" Steel Supply Main #1	27,304.85	9,376.26	36,681.11
60" Steel Supply Main #2 (Elizabeth)	18,305.07	21,607.07	39,912.14
139 FIRE HYDRANTS & FIRE CISTERNS			
High Pressure Hydrants	13,468.79	1,050.06	14,518.85
Low Pressure Hydrants	81,695.27	7,648.12	89,343.39
141 GENERAL STRUCTURES			
Pequannock Gate House Bldg., 5th & 6th Sts.	7,419.33	569.19	7,988.52
Eighth St. Stable	13,023.89	760.31	13,784.20
New Meter Testing Station	13,720.77	963.76	14,684.53
Improvements, Wilson Ave.	1,338.51	259.11	1,597.62
Cedar Grove Laboratory	3,204.22	813.77	4,017.99
	4,916,515.07	335,686.32	5,238,573.85
		13,627.54	
MISCELLANEOUS EQUIPMENT			
142A General Office Equipment	30,824.39	4,104.26	34,849.06
142B General Shop Equipment	66,240.97	79.59	66,320.56
142C Transportation Equipment (Stable)	1,965.50	14,697.44	16,662.94
		916.85	
142D Transportation Equipment (Garage)	106,255.86	154.60	106,410.46
		99.00	
142E Miscellaneous Equipment (Laboratory)	2,467.65	467.40	2,935.05
	207,774.37	33,322.70	240,001.63
		1,095.44	
	5,124,289.44	369,009.02	5,478,575.48
		14,722.98	

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment

December 31, 1932

P.U. a/c	Title of Account	Balance at beginning of year 1932	Additions during 1932	Deductions during 1932	Balance December 31, 1932
104	<u>WATER DIVERSION RIGHTS</u>	1,500.00			1,500.00
105	<u>RESERVATION LAND</u>				
	Watershed Extension Fund	2,476,678.41	11,814.54		2,488,492.95
	New Storage Reservoir	124,527.97			124,527.97
	Exchanged for water	116,280.00			116,280.00
	Bureau of Water Revenue	59,851.00			59,851.00
	Searches on Land	18,027.07	6.31		18,033.38
106	<u>OTHER SOURCES OF SUPPLY LAND</u>				
	Driven Wells, Belleville	1,693.92			1,693.92
108	<u>PUMPING SYSTEM LAND</u>				
	Pump House, Belleville	11,883.64			11,883.64
109	<u>STORAGE RESERVOIR LAND</u>				
	Belleville Reservoir	1.00			1.00
	Surrounding Belleville Res- ervoir	12,000.00			12,000.00
	Ferris Property, Belleville	14,175.00			14,175.00
	Surrounding So. Orange Av. High Pressure Reservoir	1.00			1.00
110	<u>OTHER DISTRIBUTION SYSTEM LAND</u>				
	Right of Way - Slingerland and DeBow	1,200.00			1,200.00
	Right of Way - Belleville #1	450.00			450.00
	Right of Way - Belleville #2	728.35			728.35
	Improvements along Pipe Line at Montclair	2,767.00			2,767.00
	Strip, Central Ave. and Hecker St.	1.00			1.00
112	<u>RESERVATION STRUCTURES</u>				
	Macopin Village	79,853.70			79,853.70
	Ocean Park Road	21,447.18			21,447.18
	Forestry	7,719.19	2,576.25		10,295.44
	Garage - Watershed	993.15			993.15

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment

December 31, 1932

P.U. a/c	Title of Account	Balance at beginning of year 1932	Additions during 1932	Deductions during 1932	Balance December 31, 1932
104	WATER DIVERSION RIGHTS				
113	<u>IMPOUNDING RESERVOIRS</u>				
	Cost of Watershed, except Pipe Line	3,529,210.34			3,529,210.34
	Searches	2,738.00			2,738.00
	Possibilities accruing from Watershed	5,780,431.33			5,780,431.33
113	Hono Lake Dam	339,834.21			339,834.21
	Raising Dam - Oak Ridge	671,733.89			671,733.89
	Auxiliary Dam, Charlotte- burg, etc.	18,302.10			18,302.10
	New Charlotteburg Dam	22,372.53			22,372.53
	Raising Overflow, Clinton Reservoir	7,072.28			7,072.28
	Canistota Channel	8,068.88			8,068.88
	Manaque Reservoir	14,552,726.51		43,109.23	14,509,617.28
	Preliminary Cost of furnishing added Water Supply	15,378.00			15,378.00
115	<u>SPRINGS & WELLS</u>				
	Driven Wells, Belleville	22,275.21			22,275.21
	Caisson Wells, Belleville	2,453.80			2,453.80
	Drilled Wells, Belleville	36,165.18			36,165.18
118	<u>INTAKES AND SUPPLY MAINS</u>				
	Cost of Watershed Pipe Line (M. R. Sherrard's Estimate)	2,500,128.02			2,500,128.02
	Butler Connections	3,965.48			3,965.48
	48" Pipe Line - Gate House, Pequannock	132,755.71			132,755.71
119	<u>SETTLING BASINS</u>				
	Settling Basins, Belleville	1.00			1.00
124	<u>CHEMICAL TREATMENT PLANT</u>				
	Chlorine Feeding Apparatus	9,351.90	340.00		9,691.90
127	<u>PUMPING STATION STRUCTURES</u>				
	Belleville Chimney	10,057.25			10,057.25
	Belleville Riverwall & Dock	266,111.99			266,111.99

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment

December 31, 1932

P.U. a/o	Title of Account	Balance at beginning of year 1932	Additions during 1932	Deductions during 1932	Balance December 30, 1932
135	<u>STORAGE RESERVOIRS, TANKS & STAND PIPES</u>				
	Belleville Keeper's House	5,338.85			5,338.85
	Belleville Receiving Res.	149,435.73			149,435.73
	Belleville Fence	2,550.09			2,550.09
	Belleville Res.Appartenances	10,548.99			10,548.99
	So.Orange Av. H.P. Reservoir	98,829.62			98,829.62
	Keeper's House - 9th St.	3,318.80			3,318.80
	Cedar Grove Reservoir	1,186,684.94			1,186,684.94
	Cedar Grove Res. Fence	13,821.90			13,821.90
	Keeper's House, Laboratory and Road	2,924.32			2,924.32
	Cedar Grove water System	692.79			692.79
	Cedar Grove Garage	1,240.07			1,240.07
136	<u>DISTRIBUTION MAINS & ACCESSORIES</u>				
	High Pressure System	1,044,444.47	31,628.54		1,076,073.01
	L. P. Distribution Mains				
	General	8,343,610.62	252,396.08	17,282.14	8,578,724.56
	Pitometer Boxes	82,090.33	1,236.70		83,327.03
	60" Steel Pipe Line	585,000.00			585,000.00
	36" Cast Iron Pipe Line	215,000.00			215,000.00
	60" Steel Supply Main #1	468,812.78			468,812.78
	60" Steel Supply Main #2	1,080,353.47	433.20		1,080,786.67
139	<u>FIRE HYDRANTS & FIRE CISTERNS</u>				
	High Pressure Hydrants	105,006.21	1,530.56		106,536.77
	Low Pressure Hydrants	382,406.23	7,338.15		389,744.38
141	<u>GENERAL STRUCTURES</u>				
	Land, West Side of Bloom- field Av. & No. 6th St.	2,300.00			2,300.00
	Pequannock Gate House Bldg., 5th & 6th Sts.	28,459.42			28,459.42
	8th St. Stable	38,015.74			38,015.74
	Land between So. 8 & 9 Sts.	2,000.00			2,000.00
	Land for Stable & Pipe Yard, So. 8th St. & 14th Ave.	11,000.00			11,000.00
	Land - West Side Summer Av.	4,000.00			4,000.00
	New Meter Testing Station	48,187.93			48,187.93
	Land - Wilson Ave.	20,565.00			20,565.00
	Land - Stockton St.	750.00			750.00
	Improvements - Wilson Ave.	12,955.38			12,955.38
	Franklin St.	14,500.00			14,500.00
	Cedar Grove Laboratory	40,688.70			40,688.70

X

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment

December 31, 1932

P.U. a/c	Title of Account	Balance at beginning of year 1932	Additions during 1932	Deductions during 1932	Balance December 31, 1932
<u>142 MISCELLANEOUS EQUIPMENT</u>					
A	General Office Equipment	56,301.23	97.20	131.59	56,266.84
B	General Shop Equipment	122,714.66	623.51	1,187.85	122,150.32
C	Transportation Equip- ment, Stable	3,319.90		100.00	3,219.90
D	Transportation Equip- ment, Garage	154,683.86			154,683.86
E	Miscellaneous Equip- ment, Laboratory	3,906.67	66.00		3,972.67
<u>143 OTHER TANGIBLE WATER CAPITAL</u>					
	Engineers' Maps & Records	20,000.00			20,000.00

\$45,249,370.89	\$310,087.04	\$61,810.81	\$45,497,647.12
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DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

CASH STATEMENT

December 31, 1932

RECEIPTS

Balance, January 1, 1932

281,561.72

OPERATING REVENUE

Metered Service, Private	1,827,199.49
Unmetered Service, Private	34,386.03
Municipal Service	25,568.91
Miscellaneous Water Service	
Builders	3,441.68
Special	952.52
Miscellaneous Operating Revenue	
Tapping 5/8" and 1" Mains	1,376.16
Tapping Larger Mains, Meters, etc.	63,328.18
Penalties	1,000.00
Comptroller	7,411.90

NON-OPERATING REVENUE

Rent	4,134.00	
Interest	969.79	
Bond Issue (Temporary)	1,000,000.00	
Wasteway Development - Additional		
Interest from Other Municipalities	43,109.23	
Emergency Fund Refunded	3,685.30	3,016,563.19
		3,298,124.91

DISBURSEMENTS

Pay Rolls, Weekly (Emergency)		4,638.48	
Pay Rolls, Weekly		248,279.31	
Pay Rolls, Semi-monthly		416,550.55	
Serial Bonds		469,000.00	
Sinking Fund		55,431.70	
Interest on Bonds	391,340.00		
Interest on Bonds (Wasteway)	207,132.50		
Accounts Payable		998,572.50	
Diversion of Water - State		376,136.50	
Garage Expenses		3,998.71	
Transferred to Metered Extension Fund		48,638.44	
		11,822.84	2,973,061.03

Balance, January 1, 1933

325,063.88

WATERWORKS EXTENSION FUND

Balance, January 1, 1932	759.89
From General Funds	11,822.54
	12,612.73
Reservations	12,339.54
Balance, January 1, 1933	273.19

TRUST FUNDS

Receipts

Balance, January 1, 1932	5,710.12
Duplicate Payments	1,351.85
Construction	7,215.00
Hydrant Reducers	25.00
Miscellaneous	550.00
Interest	50.16
	9,752.01
	15,462.13

Disbursements

Duplicate Payments	1,960.40
Construction	6,955.00
Miscellaneous	500.00
Reducers	55.00
Interest Transferred	50.58
	9,620.98
Balance, January 1, 1933	5,832.15

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

RESERVE

AMORTIZATION RESERVE

Balance at beginning of year 1932

5,124,289.44

ADD

Accrued during year per Chief
Accountant
Reserve Miscellaneous Equipment

335,686.32
33,322.70

Total Credits

45,493,298.46

DEBIT

Delaying Gains
Miscellaneous Equipment

13,627.24
1,095.44

14,722.98

Balance at close of year

25,478,575.48

CONTRACTUAL RESERVE SINKING FUND

Balance at beginning of year 1932

2,706,741.42

ADD

Payments to December 31, 1932
Earnings to December 31, 1932

55,431.70
110,539.10

Total Credits

22,672,712.22

Deduct Bonds Paid

75,000.00

Balance at close of year

22,797,712.22

MISCELLANEOUS RESERVEFOR

Deductions of Prepaid Water Bills
Doubtful & Uncollectable accounts

6,500.00
21,157.27

\$ 27,657.27

ADD

Reserve for 1933 Deductions
Reserve for Doubtful Accounts

5,500.00
3,000.00

Total Credits

\$ 36,157.27

DEDUCT

Allowance on 1931 bills (in 1932)
Doubtful Accounts

6,500.00
609.09

7,109.09

Balance at close of year

\$ 29,048.18

DEPARTMENT OF PUBLIC AFFAIRS
DIVISION OF ACCOUNTS - WATER
COMPARATIVE INCOME ACCOUNT

December 31, 1932

Item (or Account)	Amount Applicable to the year	Comparison preceding year.
	<u>Totals</u>	<u>Increase (Black) Decrease (Red)</u>
Water Operating Revenue	2,033,176.71	34,210.39
Water Operating Revenue Deductions	1,538,940.49	172,202.05
Water Operating Income	524,636.22	206,412.44
<u>Other Operating Income</u>		
Miscellaneous Rent Revenues	4,137.00	
Other Interest Revenues	1,284.25	
Other Non-Operating Revenues	755.58	
Total Miscellaneous Income	6,176.83	302.35
Gross Corporate Income	530,813.05	206,110.09
<u>Deductions from Gross Income</u>		
Interest on Long Term Debt	993,036.43	
Miscellaneous Deductions	128,745.38	
Total Deductions	1,181,781.81	6,744.49
Net Corporate Deficit for Year	650,968.76	212,854.58

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

SCHEDULE OF WATER CONSUMPTION AND REVENUE

Account	No. of con- sumers Dec. 31	Maxi- mum No. during year	No. of H.G. delivered to consumers during year.	Net Amount Credited to Revenue	Average Net Rev- enue per H.G.
Metered Private Service	57,401	57,401	12,844.628	\$1,695,907.28	\$132.03
Unmetered Private Service (in use)	900	925	235.596 Est.	38,178.75	133.68
Unmetered Private Service (not in use)	399	757			
Service to Other Systems (Water Supply)	20	24	3,108.293	205,841.79	66.82
Excess Water sold direct to other Systems			(not known)	113,124.32	
Municipal Water Service to Other City Departments	275	275	454.751	24,942.17	94.85
Miscellaneous Water Service			27,541 Est.	3,681.66	133.68
Total Sales of Water			16,720.209	\$2,081,675.97	
<u>Miscellaneous Operating Revenues</u>					
Wood, etc.				436.74	
Penalties, Fees				1,064.00	
Total Operating Revenues				\$2,083,176.71	

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

OPERATING EXPENSES

1. Water Collecting Expenses

411	<u>Collecting System Wages</u>		
	(a) Collecting System Superintendence	7,339.29	
	(b) Collecting System Labor	104,126.73	
			111,466.02
412	<u>Other Collecting System Expenses</u>		28,837.26
413	<u>Water Purchased</u>		117,123.03
415	<u>Collecting System Repairs</u>		
	(a) Repairs of Reservations	4,913.13	
	(b) Repairs of Impounding Reservoirs	13.20	
	(g) Repairs of Intakes and Supply Mains	22,097.29	
			27,023.62
	Total Water Collecting Expenses		284,449.93

2. Purification System Expenses

421	<u>Purification Wages</u>		
	(a) Purification Superintendence	5,778.97	5,778.97
422	<u>Purification Supplies & Expenses</u>		14,099.61
425	<u>Purification System Repairs</u>		
	(f) Repairs of Chemical Treatment Plant	60.00	60.00
	Total Purification System Expenses		19,938.58

3. Distribution System Expenses

461	<u>Water Storage & Distribution</u>		
	(a) Distribution Superintendence	14,433.81	
	(b) Storage Reservoir Labor	60,603.57	
	(c) Other Distribution Labor	138,458.20	
	(d) Other Distribution Expenses	11,459.22	
			224,954.80
462	<u>Work on Consumers' Premises</u>		
	(a) Consumers' Water Expenses	9,431.44	
	(b) Consumers' Installation Expenses	14,070.96	
			23,472.40
466	<u>Repairs of Storage Reservoirs</u>		532.36
467	<u>Repairs of Mains & Accessories</u>		
	(b) Repairs of Distribution Mains	35,912.97	
	(c) Repairs of Consumers' Services	48,955.29	
	(a) Repairs of Fire Hydrants & Cisterns	22,140.82	
	(e) Miscellaneous Distribution Repairs	55.07	
			105,105.15
468	<u>Repairs of Consumers' Meters</u>		43,072.57
	Total Distribution System Expenses		397,137.28

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

OPERATING EXPENSES

4. Commercial & New Business Expenses

470 Commercial Expenses

(a) Commercial Office Salaries	58,541.81
(b) Meter Reading & Collecting	106,528.04
(c) Other Commercial Expenses	<u>10,713.53</u>

Total Commercial & New Business Expenses

175,773.38

5. General & Miscellaneous Expenses

481 <u>Salaries of General Officers</u>	94,147.94
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482 <u>Other General Office Salaries</u>	85,092.93
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483 <u>General Office Supplies & Expenses</u>	13,677.96
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485 <u>Injuries and Damages</u>	9,336.47
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486 <u>Insurance</u>	1,577.41
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487 <u>Relief Department and Pensions</u>	2,571.64
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490 <u>Store & Transportation Expenses</u>	
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(a) Store Expenses	26,526.34
(b) Transportation Expenses	<u>37,491.15</u>

64,017.49

493 <u>Repairs of General Structures</u>	6,524.80
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494 <u>General Depreciation</u>	<u>335,686.32</u>
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Total General & Miscellaneous Expenses

612,633.02

Total Operating Expenses

\$1,489,932.19

495 <u>Taxes</u>	65,608.30
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496 <u>Uncollectible Water Bills</u>	<u>3,000.00</u>
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Total Revenue Deductions

\$1,558,540.49

MISCELLANEOUS DATA

Pequannock

Municipally owned plant. The water supply portion embraces storage reservoirs on the Pequannock River in Morris, Passaic and Sussex Counties, with main conduits to the city. This portion of plant was constructed under legislative authority by contract made in 1889 with the East Jersey Water Company for \$6,000,000.00. This contract contained restrictions regarding the territory which could be supplied from the Pequannock plant, and under this contract the City of Newark can only supply the present and future limits of the City of Newark and the then existing Townships of Belleville, South Orange, East Orange and Clinton. The Court has decided this contract contrary to Public Policy.

Manaque

Manaque Supply is owned jointly by Newark and other municipalities, Newark's cost being \$14,509,617.28, entitling the city to 40,500,000 gallons of water a day. The Reservoir was begun in 1919 and finished March 20, 1930. Connection to Newark City Water Mains was made by the Division of Water Engineers July 5, 1930.

All hydrants for municipal use are free.

Regular meter rates changed in 1914, effective January 1, 1915, as follows:

Minimum rate, \$6.00 per annum or \$1.50 per quarter for 500 cubic feet. Above 500 cubic feet \$1.00 per thousand.

When bills are paid within thirty days from the first day of the quarter for which they are rendered, the following discounts on sums above the minimum charge of \$6.00 will be allowed: 2 per cent for each \$100. annual payment, 4 per cent for each \$200. and so on until \$2,000., or the maximum discount of forty per cent is attained.

High Pressure and out-of-town rates - \$2.00 first 500 cubic feet - \$1.33 1/3 for each 1,000 cu. ft. additional.

Playground Commission, minimum \$1.50, regular 45¢ per 1000 cu. ft.

Board of Education - minimum \$1.50 - regular 45¢ per 1000 cu. ft. - other schools, 60¢ per 1000 cu. ft.

Hospitals and benevolent institutions - 20¢ per 1000 cu. ft.

Town of Belleville - regular 60¢ per 1000 cu. ft.

Large special sales to other municipalities - \$90.00 per 1,000,000 gallons.

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

WATER PURCHASED OR SOLD

Name of Utility	No. of M. G. delivered to consum- ers during year	Average price per Mil- lion Gallons	Amount Credited to Revenue	Amount Charged to Expense
Town of Belleville	570.627	80.21	45,769.20	
Town of Bloomfield	1,222.690	30.00	36,680.68	
City of Elizabeth	877.560	90.00	78,980.40	
Elizabethtown Water Co.	37.815	90.00	3,374.73	
Town of Irvington (Commonwealth Water Company)	.703	193.44	136.00	
Town of Montclair	(Minimum - No Water)		2,500.00	
City of East Orange	(Minimum - No Water)		2,500.00	
Town of Nutley	381.189	90.00	34,306.96	
Wayne Township	10.647	90.00	958.27	
Wayne, N. J. - Packanack Lake	7.062	90.00	635.55	
Albert C. Middleton, State Treas.	3,998.711	1.00		3,998.71
No. Jersey Dist. Water Supp. Comm.	4,359.300	25.95		113,124.32
	11,466.304		\$205,841.79	\$117,123.03

TERRITORY SERVED DURING YEAR

Permanent Population (Estimated)

Newark	452,000 Est.
Total Number of Taps - December 31, 1932	58,995
Taps Metered	57,696
Taps Unmetered	1,299
Total Capacity of Storage Reservoirs (M. G.)	11,405
Total Number of Storage Reservoirs	4
Total Number of Distribution Reservoirs	3
Total Capacity of Distribution Reservoirs (M. G.)	701.7
Number of Miles of Mains	558 2928/5280
Number of Fire Hydrants	4,625

MONTHLY OUTPUT (Million Gallons)

	Pequannock	Manaque
January	1,247.2	271.7
February	1,156.6	284.5
March	1,211.0	247.1
April	1,159.4	188.4
May	1,225.7	277.8
June	1,316.8	275.6
July	1,235.3	447.3
August	1,234.5	456.7
September	1,190.9	447.4
October	1,015.6	545.2
November	987.9	476.4
December	1,137.4	441.2
	14,118.3	4359.3

Total Million Gallons of metered consumption during year	16,407.672
Estimated flat rate consumption, @ (1.687) Motor Flushers & Brooms	314.824
Total million gallons used by respondent during year	16,722.496
Million gallons lost or unaccounted for (9.50%)	1,755.104
Total million gallons delivered to mains during year	18,477.600

DEPARTMENT OF PUBLIC AFFAIRS
DIVISION OF ACCOUNTS - WATER

SOURCES OF WATER SUPPLY

Source	Number of Reservoirs	Depth of In- take below surface of water	Kind of Conduits	Size of Conduits	Capacity of Reservoirs
Pequannock Impounding Reservoirs	2	12 feet	Riveted	1 - 48"	23 Mill. Gals
	4		Steel	1-48" x 42"	11,405 Mill. Gals.

DRAINAGE AREA.

Total number of square miles, 63.7

Area of land owned for protection of supply, 52.86
miles - 82.98 per cent of Watershed.

RESERVOIRS, STORAGE TANKS & STANDPIPES.

Classification	No. at close of year	Construction Material	Open or Closed	Capacity
Wanaque Reservoir	1	Earth Dam, Concrete Core	Open	27,800. M. G.
Collecting Reservoirs	4	Earth Dam, Concrete Core	Open	11,405. M. G.
Storage Reservoirs (Distribution)	1	Earth Dam, Concrete Core	Open	678.7 M.G.
	2	Masonry and Earth Bank	Open	23. M.G.

Newark's share - 40.5 million gallons daily

PURIFICATION SYSTEM.

Sedimentation

Cedar Grove Reservoir, holding about thirteen days' supply, acts as Sedimentation Basin. The Outlet gatehouse is arranged so that the reservoir can be by-passed and the supply drawn directly from the Watershed. There are two inlets, one near the southern end and the other near the north-east corner. The outlet gatehouse is on the west side. The area of Cedar Grove Reservoir is 100 acres and its capacity is 678.7 million gallons.

Purification

Chlorination plants have been installed at Macopin Intake and Cedar Grove Reservoirs.